

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/096334 A2

(51) International Patent Classification⁷: H01J 1/00

(21) International Application Number: PCT/IB2005/050996

(22) International Filing Date: 23 March 2005 (23.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 04101354.1 1 April 2004 (01.04.2004) EP

(71) Applicant (for DE only): PHILIPS INTELLECTUAL PROPERTY & STANDARDS GMBH [DE/DE]; Stein-damm 94, 20099 Hamburg (DE).

(71) Applicant (for all designated States except DE, US): KONINKLIJKE PHILIPS ELECTRONICS N. V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HASELHORST, Georg [DE/DE]; c/o Philips Intellectual Property & Standards GmbH, Weisschausstr. 2, 52066 Aachen (DE). HAACKE, Michael [DE/DE]; c/o Philips Intellectual Property & Standards GmbH, Weisschausstr. 2, 52066 Aachen (DE). ADRIAENSEN, Jurgen [BE/DE]; c/o Philips Intellectual Property & Standards GmbH, Weisschausstr. 2, 52066 Aachen (DE). DEPREZ, Francis

Martin Jozef [BE/DE]; c/o Philips Intellectual Property & Standards GmbH, Weisschausstr. 2, 52066 Aachen (DE).

(74) Agent: VOLMER, Georg; Philips Intellectual Property & Standards GmbH, Weisschausstr. 2, 52066 Aachen (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

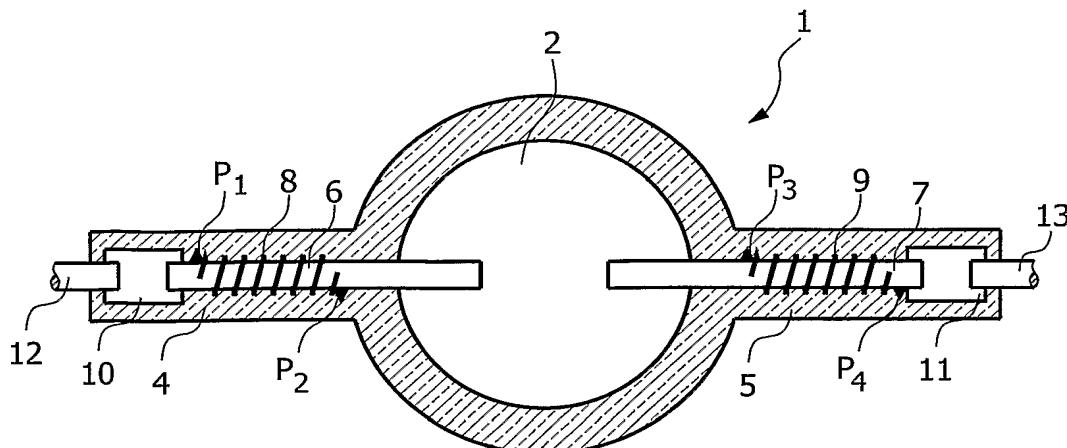
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: LIGHT BURNER AND METHOD FOR MANUFACTURING A LIGHT BURNER



WO 2005/096334 A2

(57) Abstract: The invention describes a light burner (1) comprising a discharge chamber (2) containing a gas sealed in the discharge chamber (2) by a seal (4, 5) and a pair of electrode shafts (6, 7), each of which partially intrudes from the seal (4, 5) into the discharge chamber (2) whereby a wrapping (8, 9), at least partially contained in the seal (4, 5), is freely wound around at least one of the electrode shafts (6, 7) and constrained in its motion by a number of containment elements (P₁, P₂, P₃, P₄) positioned along the longitudinal axis of the electrode shaft (6, 7).